

GILA RIVER BASIN

LOCATION--Lat 33°34'23", long 110°54'02", in NE_{1/4}NW_{1/4}SE_{1/4} sec. 26, T.3 N., R.14 E., Gila County, Hydrologic Unit 15060103, in Tonto National Forest, on right bank 7 ft upstream from Inspiration Dam, 3.8 mi upstream from mouth, and 14 mi northwest of Globe.

DRAINAGE AREA--195 mi², of which about 33 mi² is partly or entirely noncontributing due to mining operations (1988).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD--July 1980 to current year.

GAGE--Water-stage recorder. Elevation of gage is 2,740 ft above sea level, from topographic map. Prior to Feb. 12, 1991, at datum 1.0 ft higher.

REMARKS.—No estimated daily discharge. Records fair. Since Nov. 20, 1999, base flows may be affected by discharges from a ground-water treatment plant, located about 5 mi upstream from the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,700 ft³/s Jan. 11, 1993, gage height, 8.50 ft, on basis of slope-area measurement of peak flow; minimum daily, 0.64 ft³/s July 1, 1999.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 5	1230	328	2.96
Aug. 13	2230	*1,290	*4.04

Minimum daily discharge, 0.40 ft³/s July 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	2.5	3.5	4.0	4.2	4.6	3.6	2.7	1.4	1.0	0.55	1.3
2	2.5	2.6	3.6	4.1	4.3	4.7	4.3	2.5	1.2	0.89	0.57	1.2
3	2.3	2.8	3.8	4.1	4.8	4.6	3.9	2.6	0.93	0.56	0.67	1.1
4	2.5	3.2	3.7	4.1	4.5	5.1	4.0	2.5	0.89	0.49	0.73	1.0
5	2.7	3.2	3.7	4.1	4.4	60	4.0	2.6	0.88	0.46	1.2	0.76
6	3.0	2.9	3.7	4.0	4.6	7.9	4.0	2.3	0.87	0.43	1.1	0.86
7	2.8	3.0	3.7	3.9	4.6	5.7	3.7	2.4	0.82	0.40	0.81	1.0
8	2.8	3.3	4.0	3.7	4.4	5.4	3.6	2.5	0.83	0.44	0.73	0.87
9	2.9	3.4	4.2	3.8	4.3	5.0	3.6	2.4	0.76	0.52	0.74	0.85
10	2.7	3.4	3.9	4.0	4.0	4.7	3.5	2.3	0.98	0.44	0.82	0.90
11	2.5	3.4	3.8	4.1	3.2	4.4	3.4	2.0	1.3	0.53	0.72	1.0
12	2.2	3.8	4.0	4.1	4.2	4.4	3.1	1.9	1.1	0.68	0.73	1.0
13	2.3	3.5	3.8	4.4	4.6	4.5	3.0	1.9	0.95	0.63	83	0.91
14	2.4	3.5	3.8	4.5	4.7	4.5	3.2	1.9	0.76	0.53	43	0.78
15	2.4	3.7	3.6	3.9	4.7	4.6	3.7	1.9	0.70	0.52	1.8	0.74
16	2.3	3.8	3.5	3.9	4.4	4.5	3.6	1.8	0.70	0.56	1.4	0.71
17	2.4	3.6	3.7	3.8	4.3	4.2	3.4	2.0	0.72	0.78	1.2	0.74
18	2.3	3.4	3.7	3.7	4.2	4.2	3.2	2.1	0.72	1.2	1.2	0.91
19	2.5	3.7	3.8	3.7	4.1	4.2	3.3	1.5	0.69	1.0	1.2	1.1
20	2.6	4.1	4.1	4.2	4.1	4.7	3.3	1.5	0.69	0.45	1.3	0.91
21	2.6	3.7	4.0	4.3	4.0	4.9	3.6	1.6	0.81	0.55	1.0	0.71
22	2.5	3.7	3.8	4.5	4.2	4.6	3.5	1.8	0.84	0.94	0.99	1.00
23	2.6	4.0	3.8	4.3	4.5	4.1	3.3	1.8	0.94	1.4	0.89	0.91
24	2.4	3.9	3.9	4.4	4.3	4.0	3.5	1.7	0.99	2.4	0.96	1.0
25	2.6	4.0	4.1	4.4	4.3	3.8	3.0	1.6	0.67	1.6	0.99	1.1
26	2.6	3.8	4.2	4.3	4.3	3.7	2.6	1.5	0.55	1.6	0.88	1.1
27	2.9	3.6	3.8	4.3	4.4	3.7	2.5	1.5	0.56	1.0	0.91	1.1
28	3.0	3.7	4.3	4.3	4.6	3.7	2.5	1.6	0.53	0.78	1.00	1.2
29	3.1	3.7	4.0	4.3	4.7	3.6	2.4	1.6	0.53	0.88	1.0	1.1
30	2.9	3.7	3.8	4.3	---	3.6	2.5	2.1	0.60	0.60	1.1	0.89
31	2.6	---	3.8	4.3	---	3.7	---	1.5	---	0.58	1.3	---
TOTAL	80.1	104.6	119.1	127.8	125.9	195.3	100.8	61.6	24.91	24.84	154.49	28.75
MEAN	2.58	3.49	3.84	4.12	4.34	6.30	3.36	1.99	0.83	0.80	4.98	0.96
MAX	3.1	4.1	4.3	4.5	4.8	60	4.3	2.7	1.4	2.4	83	1.3
MIN	2.2	2.5	3.5	3.7	3.2	3.6	2.4	1.5	0.53	0.40	0.55	0.71
AC-FT	159	207	236	253	250	387	200	122	49	49	306	57
CFSM	0.01	0.02	0.02	0.02	0.03	0.02	0.01	0.00	0.00	0.03	0.00	0.00
IN.	0.02	0.02	0.02	0.02	0.04	0.02	0.01	0.00	0.00	0.00	0.03	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	9.06	7.44	10.3	28.2	26.6	14.8	9.26	7.54	5.87	7.20	8.30	7.61
MAX	38.8	13.0	58.4	440	406	67.3	30.1	19.6	16.2	17.1	28.4	17.1
(WY)	1984	2001	1985	1993	1993	1993	1993	1993	1993	1981	1990	2003
MIN	2.56	3.22	3.37	3.20	3.44	3.55	3.36	1.99	0.83	0.80	1.81	0.96
(WY)	2000	2003	1999	1999	1999	1999	2004	2004	2004	2004	2002	2004

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 1980 - 2004

ANNUAL TOTAL	1636.42	1148.19					
ANNUAL MEAN	4.48	3.14	11.7				
HIGHEST ANNUAL MEAN			84.2	1993			
LOWEST ANNUAL MEAN			3.14	2004			
HIGHEST DAILY MEAN	367	Sep 9	83	Aug 13	3300	Jan 11	1993
LOWEST DAILY MEAN	0.73	Jul 25	0.40	Jul 7	0.40	Jul 7	2004
ANNUAL SEVEN-DAY MINIMUM	0.92	Aug 3	0.45	Jul 4	0.45	Jul 4	2004
ANNUAL RUNOFF (AC-FT)	3250		2280		8510		
ANNUAL RUNOFF (CFSM)	0.023		0.016			0.060	
ANNUAL RUNOFF (INCHES)	0.31		0.22			0.82	
10 PERCENT EXCEEDS	4.5		4.4			11	
50 PERCENT EXCEEDS	3.4		2.8			6.9	
90 PERCENT EXCEEDS	1.0		0.73			3.3	